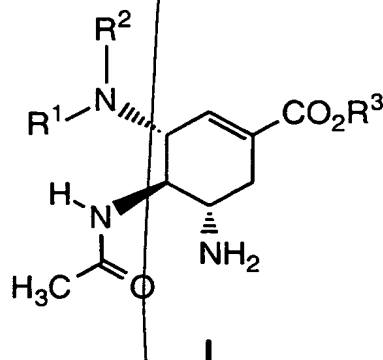


What is claimed is:

1. A compound of the formula (I):



5 wherein:

- R¹ is H, R² is -CH(CH₂CH₃)₂ and R³ is H;
 R¹ is H, R² is -CH(CH₂CH₃)₂ and R³ is -CH₂CH₃;
 R¹ is H, R² is -CH₂CH₂CH₃ and R³ is H;
 R¹ is H, R² is -CH₂CH₂CH₃ and R³ is -CH₂CH₃;
 10 R¹ is -CH₃, R² is -CH₂CH₂CH₃ and R³ is H;
 R¹ is -CH₃, R² is -CH₂CH₂CH₃ and R³ is -CH₂CH₃;
 R¹ is -CH₃, R² is -CH₂CH₂CH₂CH₃ and R³ is H;
 R¹ is -CH₃, R² is -CH₂CH₂CH₂CH₃ and R³ is -CH₂CH₃;
 R¹ is -CH₃, R² is -CH(CH₂CH₃)₂ and R³ is H;
 15 R¹ is -CH₃, R² is -CH(CH₂CH₃)₂ and R³ is -CH₂CH₃;
 R¹ is -CH₃, R² is -CH₂CH(CH₂CH₃)₂ and R³ is H;
 R¹ is -CH₃, R² is -CH₂CH(CH₂CH₃)₂ and R³ is -CH₂CH₃;
 R¹ is -CH₃, R² is -CH₂CH₂Ph and R³ is H;
 R¹ is -CH₃, R² is -CH₂CH₂Ph and R³ is -CH₂CH₃;
 20 R¹ is -CH₃, R² is -(cyclohexyl) and R³ is H;
 R¹ is -CH₃, R² is -(cyclohexyl) and R³ is -CH₂CH₃;
 R¹ is -CH₂CH₃, R² is -CH₂CH₂CH₃ and R³ is H;
 R¹ is -CH₂CH₃, R² is -CH₂CH₂CH₃ and R³ is -CH₂CH₃;
 R¹ is -CH₂CH₃, R² is -CH₂CH₂CH₂CH₃ and R³ is H;
 25 R¹ is -CH₂CH₃, R² is -CH₂CH₂CH₂CH₃ and R³ is -CH₂CH₃;
 R¹ is -CH₂CH₂CH₃, R² is -CH₂CH₂CH₃ and R³ is H;
 R¹ is -CH₂CH₂CH₃, R² is -CH₂CH₂CH₃ and R³ is -CH₂CH₃;
 R¹ is -CH₂CH₂CH₃, R² is -CH₂(cyclopropyl) and R³ is H;

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- R¹ is -CH₂CH₂CH₃, R² is -CH₂(cyclopropyl) and R³ is -CH₂CH₃;
R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂- and R³ is H;
R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂- and R³ is
-CH₂CH₃;
5 R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂CH₂- and R³ is
H;
R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂CH₂- and R³ is
-CH₂CH₃;
R¹ and R² are taken together to form -CH₂CH₂OCH₂CH₂- and R³ is H;
10 or
R¹ and R² are taken together to form -CH₂CH₂OCH₂CH₂- and R³ is
-CH₂CH₃;
and salts, solvates and resolved enantiomers thereof.
- 15 2. The compound of Claim 1 wherein R¹ is H, R² is -CH(CH₂CH₃)₂
and R³ is H.
3. The compound of Claim 1 wherein R¹ is H, R² is -CH(CH₂CH₃)₂
and R³ is -CH₂CH₃.
20
4. The compound of Claim 1 wherein R¹ is H, R² is -CH₂CH₂CH₃ and
R³ is H.
5. The compound of Claim 1 wherein R¹ is H, R² is -CH₂CH₂CH₃ and
25 R³ is -CH₂CH₃.
6. The compound of Claim 1 wherein R¹ is -CH₃, R² is -CH₂CH₂CH₃
and R³ is H.
- 30 7. The compound of Claim 1 wherein R¹ is -CH₃, R² is -CH₂CH₂CH₃
and R³ is -CH₂CH₃.
8. The compound of Claim 1 wherein R¹ is -CH₃, R² is
-CH₂CH₂CH₂CH₃ and R³ is H.
35

9. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is $-\text{CH}_2\text{CH}_3$.

10. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is H.

11. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is $-\text{CH}_2\text{CH}_3$.

12. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is H.

13. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is $-\text{CH}_2\text{CH}_3$.

14. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{Ph}$ and R^3 is H.

15. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{Ph}$ and R^3 is $-\text{CH}_2\text{CH}_3$.

16. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-(\text{cyclohexyl})$ and R^3 is H.

17. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-(\text{cyclohexyl})$ and R^3 is $-\text{CH}_2\text{CH}_3$.

18. The compound of Claim 1 wherein R^1 is $-\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H.

19. The compound of Claim 1 wherein R^1 is $-\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is $-\text{CH}_2\text{CH}_3$.

20. The compound of Claim 1 wherein R^1 is $-\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H.

21. The compound of Claim 1 wherein R¹ is -CH₂CH₃, R² is -CH₂CH₂CH₂CH₃ and R³ is -CH₂CH₃.

5 22. The compound of Claim 1 wherein R¹ is -CH₂CH₂CH₃, R² is -CH₂CH₂CH₃ and R³ is H.

23. The compound of Claim 1 wherein R¹ is -CH₂CH₂CH₃, R² is -CH₂CH₂CH₃ and R³ is -CH₂CH₃.

10 24. The compound of Claim 1 wherein R¹ is -CH₂CH₂CH₃, R² is -CH₂(cyclopropyl) and R³ is H.

15 25. The compound of Claim 1 wherein R¹ is -CH₂CH₂CH₃, R² is -CH₂(cyclopropyl) and R³ is -CH₂CH₃.

26. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂- and R³ is H.

20 27. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂- and R³ is -CH₂CH₃.

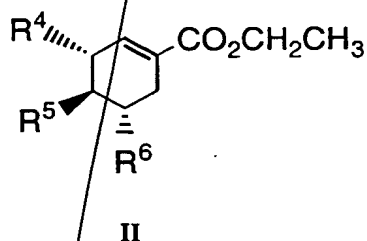
28. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂CH₂- and R³ is H.

25 29. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂CH₂- and R³ is -CH₂CH₃.

30 30. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂OCH₂CH₂- and R³ is H.

31. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂OCH₂CH₂- and R³ is -CH₂CH₃.

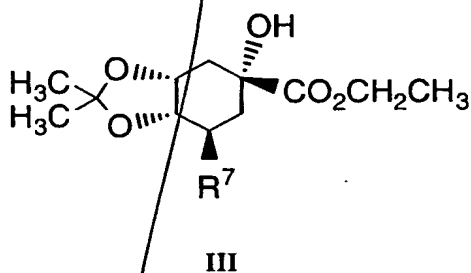
32. A compound of the formula (II):



wherein:

- 5 R^4 is -OH, R^5 is -NH₂ and R^6 is -N₃;
 R^4 is -OC(O)CH₃, R^5 is -N(H)(C(O)CH₃) and R^6 is -N₃;
 R^4 is -N(CH₃)(CH₂CH₂CH₃), -N(CH₃)(CH₂CH₂CH₂CH₃),
 -N(CH₃)(CH(CH₂CH₃)₂), -N(CH₃)(CH₂CH(CH₂CH₃)₂), -N(CH₃)(CH₂CH₂Ph),
 -N(CH₃)(cyclohexyl), -N(CH₂CH₃)(CH₂CH₂CH₃),
 10 -N(CH₂CH₃)(CH₂CH₂CH₂CH₃), -N(CH₂CH₂CH₃)(CH₂CH₂CH₃),
 -N(CH₂CH₂CH₃)(CH₂(cyclopropyl)), -(1-C₄H₈N), -(1-C₅H₁₀N), or -(1-C₄H₈NO),
 R^5 is -N(H)(C(O)CH₃) and R^6 is -N₃;
 R^4 is -N(CH₃)(CH₂CH₂CH₃), -N(CH₃)(CH₂CH₂CH₂CH₃),
 -N(CH₃)(CH(CH₂CH₃)₂), -N(CH₃)(CH₂CH(CH₂CH₃)₂), -N(CH₃)(CH₂CH₂Ph),
 15 -N(CH₃)(cyclohexyl), -N(CH₂CH₃)(CH₂CH₂CH₃),
 -N(CH₂CH₃)(CH₂CH₂CH₂CH₃), -N(CH₂CH₂CH₃)(CH₂CH₂CH₃),
 -N(CH₂CH₂CH₃)(CH₂(cyclopropyl)), -(1-C₄H₈N), -(1-C₅H₁₀N), or -(1-C₄H₈NO),
 R^5 is -N(H)(C(O)CH₃) and R^6 is -NH₂;
 R^4 is -OC(O)CH₃, R^5 is -N(H)(C(O)CH₃) and R^6 is -NH₂;
 20 R^4 is -OC(O)CH₃, R^5 is -N(H)(C(O)CH₃) and R^6 is
 -N(H)(C(O)OC(CH₃)₃);
 R^4 is -N₃, R^5 is -N(H)(C(O)CH₃) and R^6 is -N(H)(C(O)OC(CH₃)₃);
 R^4 is -NH₂, R^5 is -N(H)(C(O)CH₃) and R^6 is -N(H)(C(O)OC(CH₃)₃);
 R^4 is -N(H)(CH₂CH₂CH₃), or -N(H)(CH(CH₂CH₃)₂), R^5 is
 25 -N(H)(C(O)CH₃) and R^6 is -N(H)(C(O)OC(CH₃)₃);
 R^4 is -N(H)(CH₂CH₂CH₃), or -N(H)(CH(CH₂CH₃)₂), R^5 is
 -N(H)(C(O)CH₃) and R^6 is -NH₂; or
 R^4 is -OCH₂OCH₃, R^5 is -NH₂ and R^6 is -N₃;
 and salts, solvates and resolved enantiomers thereof.

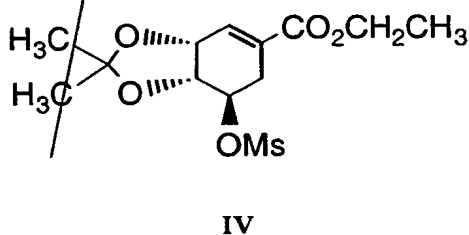
33. A compound of the formula (III):



wherein:

- 5 R^7 is -OH or -OMs;
and salts, solvates and resolved enantiomers thereof.

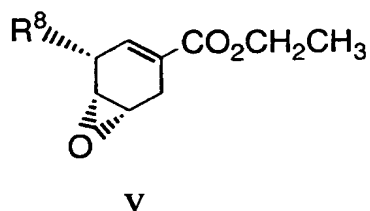
34. A compound of the formula (IV):



10

~~and salts, solvates and resolved enantiomers thereof.~~

35. A compound of the formula (V):



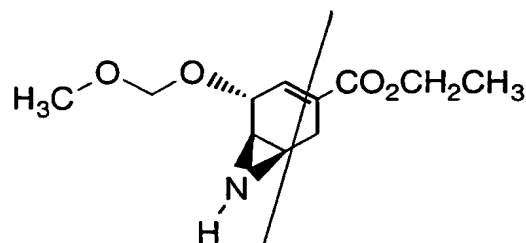
15

wherein:

- R^8 is -OH, or -OCH₂OCH₃;
and salts, solvates and resolved enantiomers thereof.

20

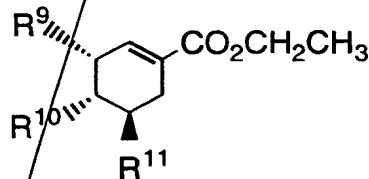
36. A compound of the formula (VI):



VI

and salts, solvates and resolved enantiomers thereof.

37. A compound of the formula (VII):



VII

wherein:

R^9 is -OH, R_{10} is -OH, and R_{11} is -OMs;

R^9 is -OCH₂OCH₃, R_{10} is -OH, and R_{11} is -N₃; or

R^9 is -OCH₂OCH₃, R_{10} is -OMs, and R_{11} is -N₃;

and salts, solvates and resolved enantiomers thereof.

38. A compound of Claim 1 further comprising a pharmaceutically-acceptable carrier.

39. A method of inhibiting the activity of neuraminidase comprising the step of contacting a sample suspected of containing neuraminidase with a compound of Claim 1.

40. The method of Claim 39 wherein the neuraminidase is influenza neuraminidase *in vivo*.

41. A method for the treatment or prophylaxis of influenza infection in a host comprising administering to the host a therapeutically effective amount of a compound of Claim 1.

42. The method of Claim 41 wherein the compound further comprises a pharmaceutically-acceptable carrier.